

Science GE DOK Alignment Chart

PHYSICAL SCIENCE

Grades PK-K

GE 9-20

DOK & NECAP Release Item Codes	GE Statement with Ceiling DOK	Science Concepts	Examples/Practice Items
Enduring Knowledge: All living and non-living things are composed of matter having characteristic properties that distinguish one substance from another.			
DOK 2 PS1(K-4)POC-1 PS1(K-4)POC-2	SPK-K:9 (DOK 2) Students demonstrate their understanding of the Properties of Matter by... · Observing and sorting substances that are solids and liquids and identifying their differences.	Science Concepts: a. The physical properties of objects can be sorted by how they are alike or different . b. Objects can be sorted according to their properties.	
SPK-K:10 Not assessed at this grade level.			
SPK-K:11 Not assessed at this grade level.			
SPK-K:12 Not assessed at this grade level.			
SPK-K:13 Not assessed at this grade level.			
Enduring Knowledge: A transfer of energy can result in the physical change of state of a substance.			
SPK-K:14 Not assessed at this grade level.			
Enduring Knowledge: When matter undergoes a chemical change it turns into a new and different substance whose properties are different from the original. No matter how substances interact with one another, the total mass of the system remains the same.			
SPK-K:15 Not assessed at this grade level.			
SPK-K:16 Not assessed at this grade level.			
Enduring Knowledge: The nucleus of some atoms is unstable and may spontaneously decay.			
SPK-K:17 Not assessed at this grade level.			
SPK-K:18 Not assessed at this grade level.			
Enduring Knowledge: Everything is constantly moving; motion is relative, but the motion of an object can be described and predicted by tracing and measuring its position over time.			
DOK 2 PS3(K-4)INQ + SAE-7	SPK-K:19 (DOK 2) Students demonstrate their understanding of Motion by... · Manipulating objects and observing and describing the motion.	Science Concepts: a. The position of an object can be described. (e.g., in front of or behind). b. The motion of an object can be described as a direction (e.g., straight, zig zag, round and round, back and forth, up, down)	
SPK-K:20 Not assessed at this grade level.			

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PHYSICAL SCIENCE

Grades PK-K

GE 21-29

DOK & NECAP Release Item Codes	GE Statement with Ceiling DOK	Science Concepts	Examples/ Practice Items
Enduring Knowledge (Force): Force is an influence that can change the motion of an object.			
SPK-K:21 Not assessed at this grade level.			
SPK-K:22 Not assessed at this grade level.			
Enduring Knowledge: Energy is necessary for change to occur. It is the ability of matter to bring about change. *There are many forms of energy. *The total energy in the universe is constant. *Energy can be transformed and transferred, but not destroyed (Conservation of Energy). *Energy transfers and transformations exhibit the characteristics of systems with inputs, processes and outputs, as well as connections to other systems.			
DOK 1 LS2(K-4)POC-5	SPK-K:23 (DOK 1) Students demonstrate their understanding of Heat Energy by... · Identifying the sun as a source of heat energy.	Science Concepts: a. The sun warms the land, air, and water.	
SPK-K:24 Not assessed at this grade level.			
DOK 2 PS3(K-4)INQ + SAE-8	SPK-K:25 (DOK 2) Students demonstrate their understanding of Magnetism by... · Observing and describing how magnets make some things move without touching.	Science Concepts: a. Magnets can move some objects without touching them.	
SPK-K:26 Not assessed at this grade level.			
SPK-K:27 Not assessed at this grade level.			
SPK-K:28 Not assessed at this grade level.			
SPK-K:29 Not assessed at this grade level.			